$$= \frac{P(C) - P(A \cap C)}{1 - P(C)} = \frac{\frac{1}{20} - \frac{1}{120}}{1 - \frac{1}{5}} = \frac{5}{46}$$

Donc $\boxed{p(A/\bar{C}) = \frac{5}{96}}$

2) $\boxed{p(E) = \frac{3}{6} = \frac{1}{2}}$

3) a) $F/E = \{(0,0)(1,1)(-1,-1)\}$

$$\boxed{p(F/E) = \frac{4^2 + 5^2 + 1^2}{10^2} = \frac{21}{50}}$$

$F/\bar{E} = \{(0,0) \text{ ou } (1,1)\}$

$$\boxed{p(F/\bar{E}) = \frac{A_4^2 + A_5^2}{A_{10}^2} = \frac{16}{45}}$$

b) $\boxed{p(F) = P(F \cap E) + p(F \cap \bar{E})}$

$$= p(F/E) \cdot p(E) + p(F/\bar{E}) \cdot p(\bar{E})$$

$$= \frac{21}{50} \times \frac{1}{2} + \frac{16}{45} \times \frac{1}{2} = \frac{349}{900}$$

Qarray.tn - Agra Blech - Qarray.tn - Qarray.tn - Agra Blech - Qa